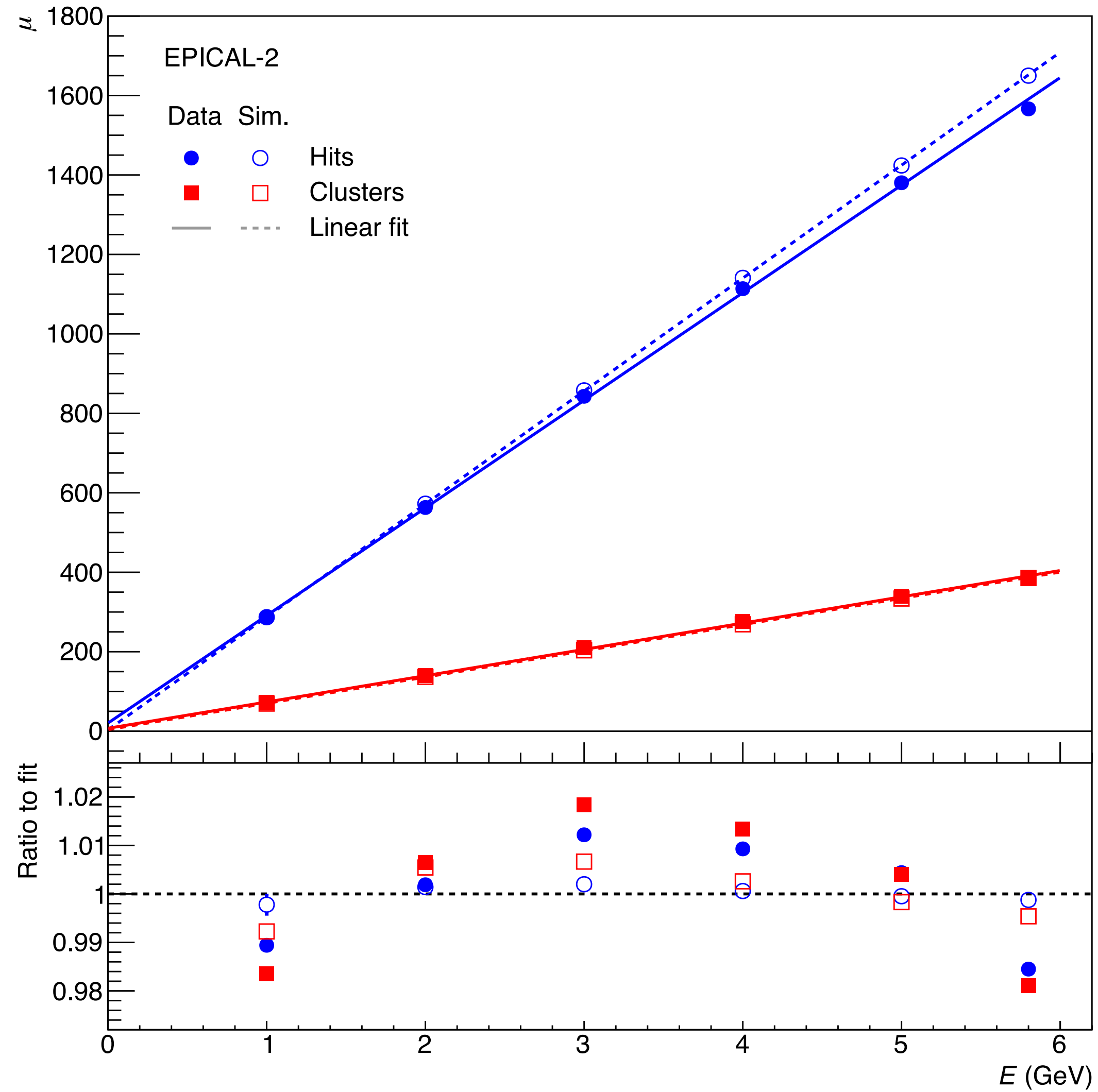


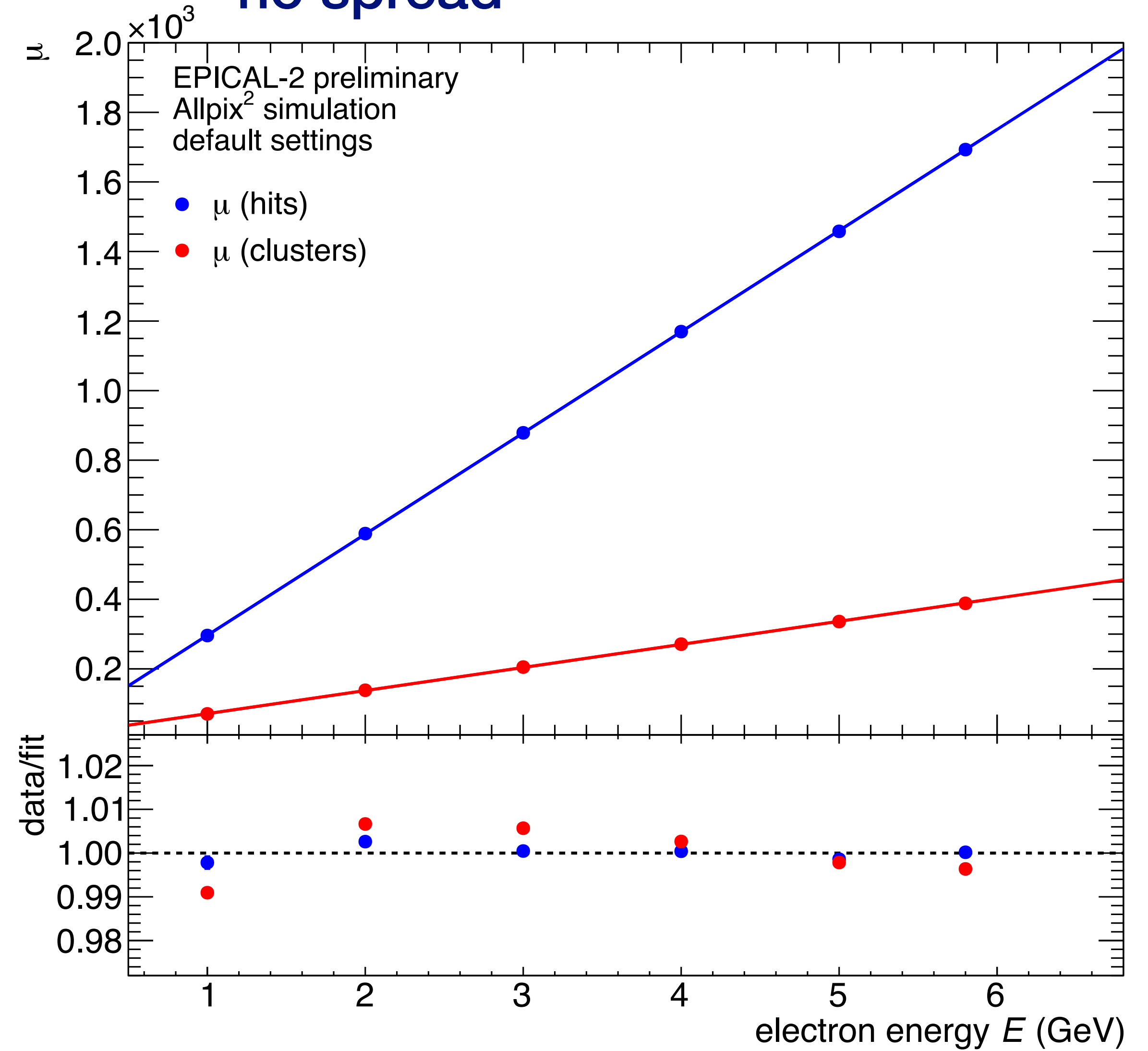
energy linearity

remark for simulation:
no event selection
allpix clustering

no spread



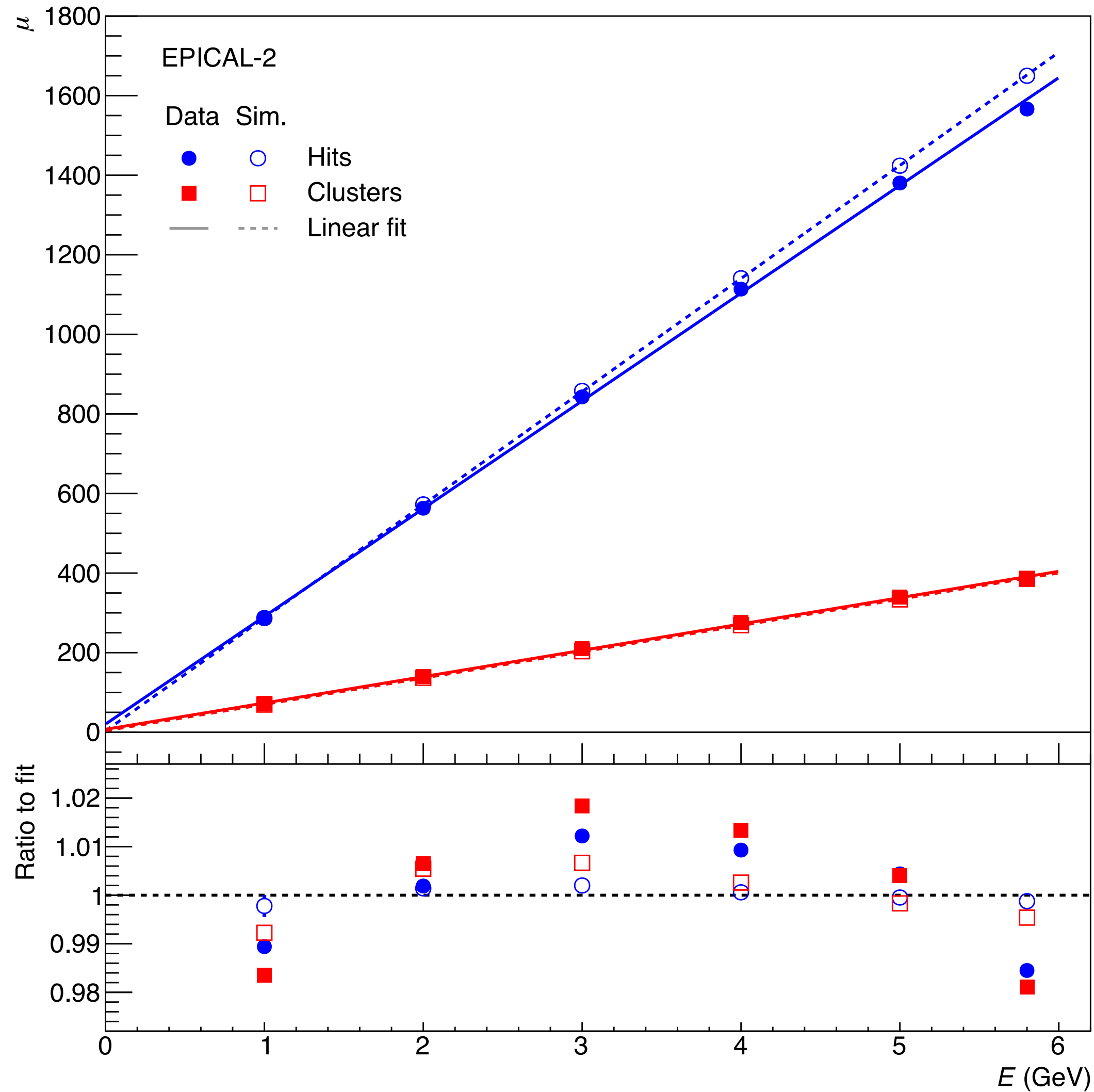
no spread



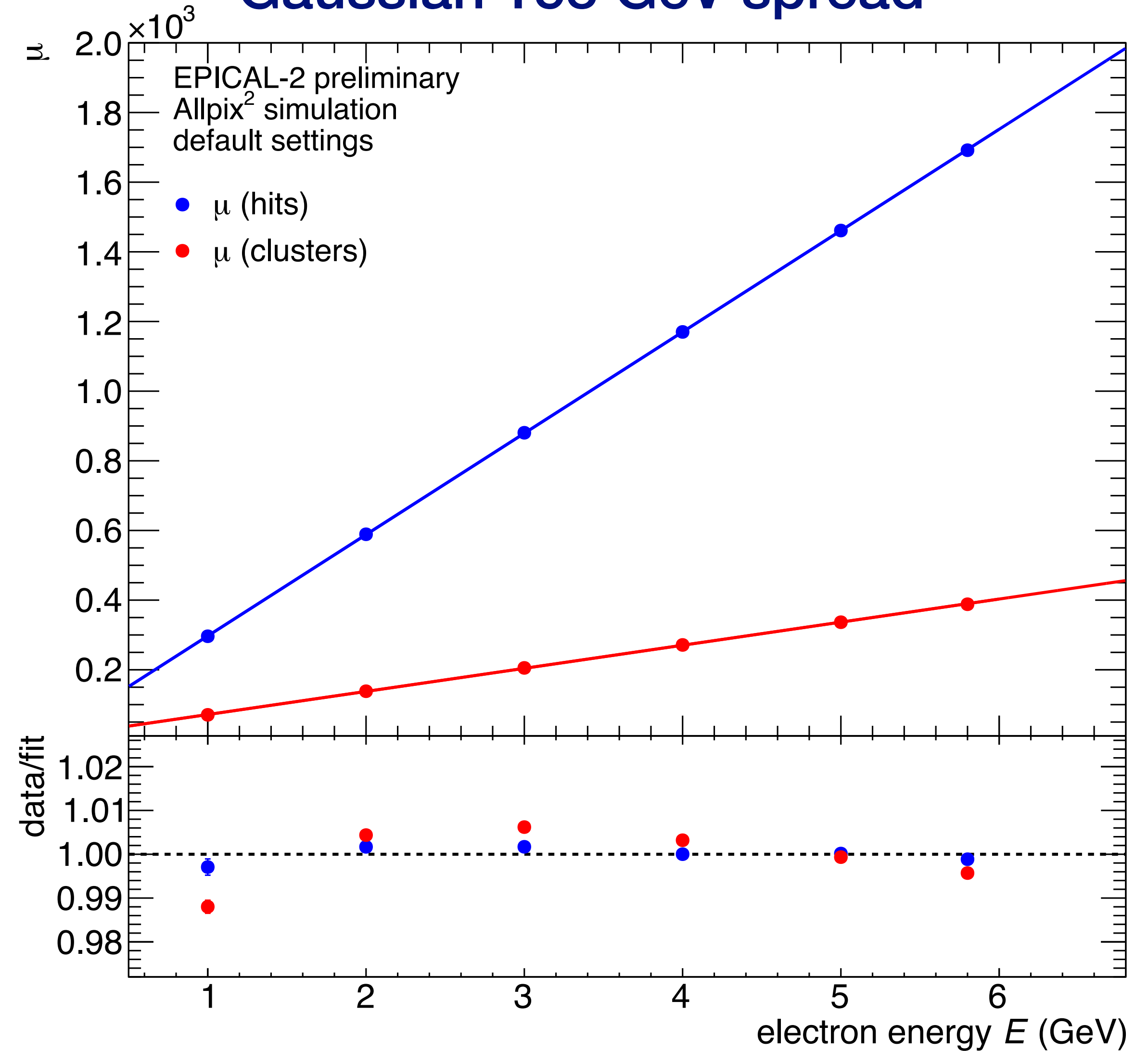
energy linearity including beam-energy spread

remark for simulation:
no event selection
allpix clustering

no spread



Gaussian 158 GeV spread



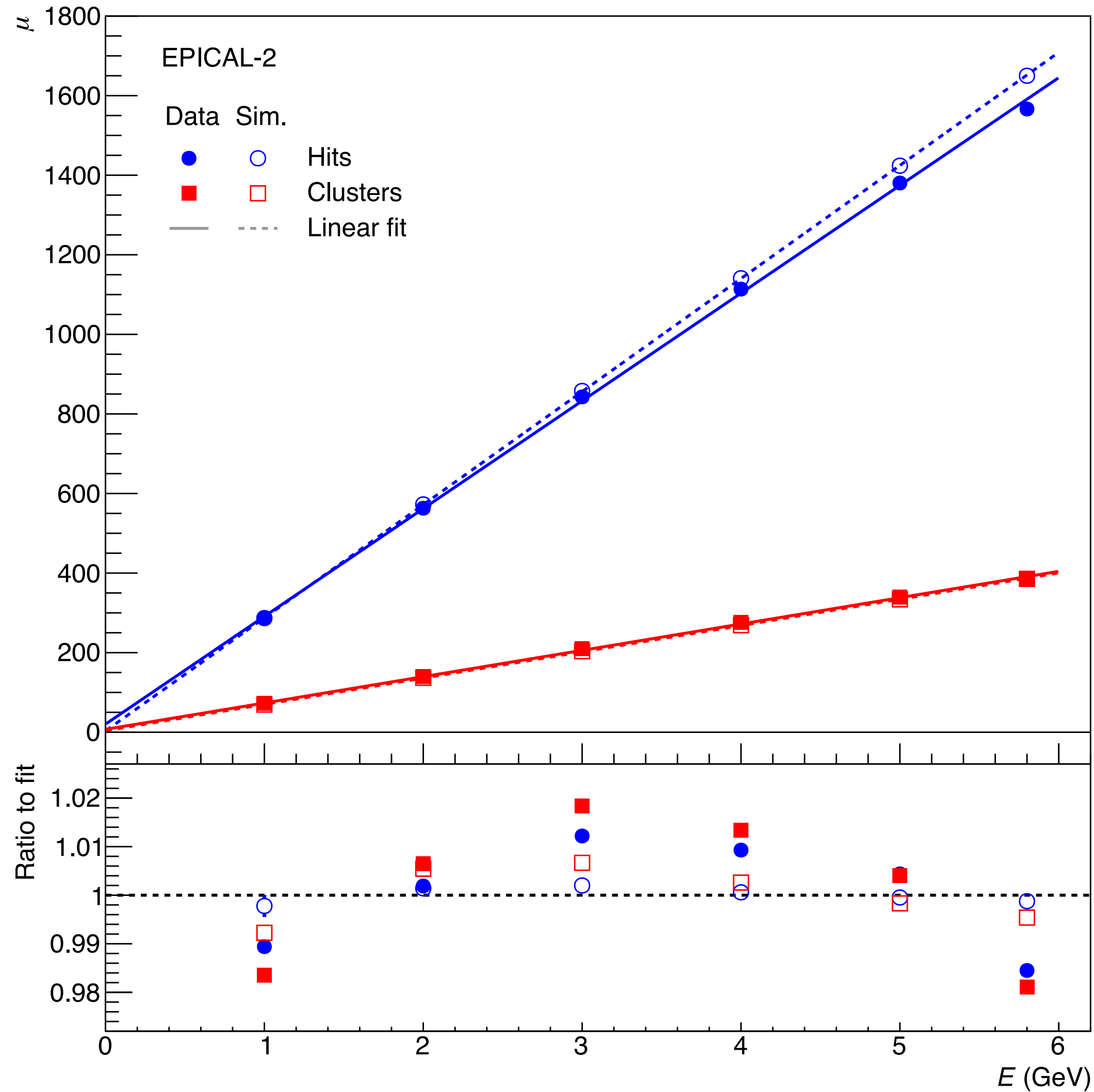
to compare: ratio to fit - open markers LHS plot and full markers RHS plot

► no major influence on energy-response linearity with including energy spread

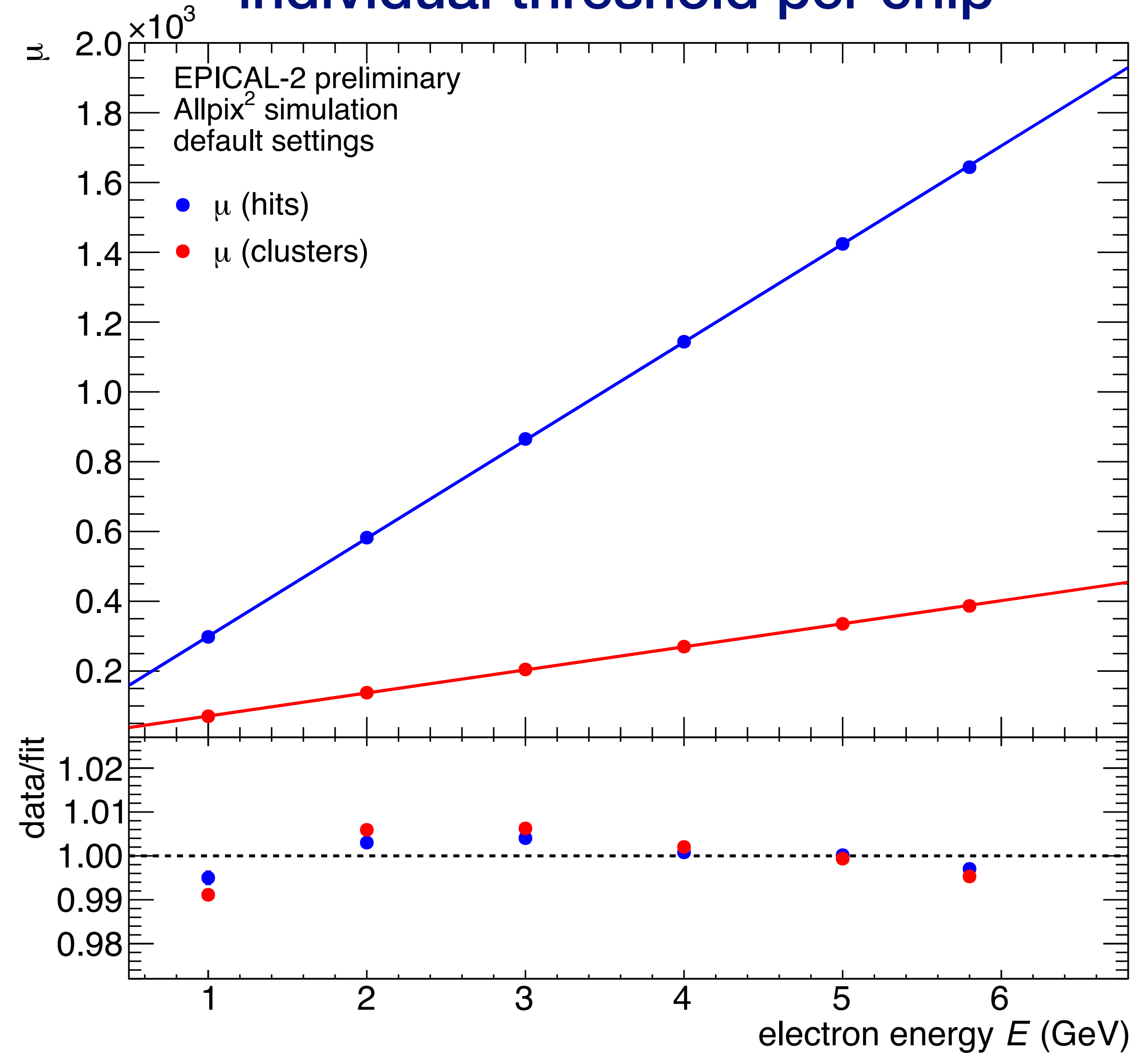
energy linearity with individual threshold per chip

remark for simulation:
no event selection
allpix clustering

same threshold for all chips



individual threshold per chip



to compare: ratio to fit - open markers LHS plot and full markers RHS plot

► chip-by-chip threshold leads to a slight worsening of the linearity (matter of calibration?)